

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of identifying agents that regulate the transcriptional activating activity of human androgen receptor, or estrogen receptor β , comprising:

contacting a cell expressing human androgen receptor or human estrogen receptor β , and, human skeletal muscle LIM-protein 3, or a biologically-active derivatives derivative thereof, with a test agent; and

determining whether said test agent regulates the transcriptional activating activity of human androgen receptor or estrogen receptor β ,
wherein said biologically-active derivative is at least 90% homologous to human skeletal muscle LIM-protein3 and functions as a co-activator for androgen receptor and estrogen receptor β .

2. (Previously presented) A method of claim 1, wherein said cell is a 293 cell or a yeast cell.

3. (Previously presented) The method of claim 1, wherein said determining is measuring transcription of a gene activated by human androgen receptor or human estrogen receptor β .

4. (Previously presented) The method of claim 1, wherein said human androgen receptor or human estrogen receptor β is a chimeric protein comprising a GAL4 binding domain and skeletal muscle LIM-protein 3 is a chimeric protein comprising a GAL4 activator domain.

5. (Previously presented) A method of claim 4, wherein said cell is a yeast cell comprising a β -galactosidase reporter gene.

6. (Previously presented) A method of claim 5, where said yeast cell is *Saccharomyces cerevisiae*

7. (Previously presented) A method of claim 4, wherein said determining is measuring β -galactosidase activity.

8. (Previously presented) A method of claim 5, wherein said determining is measuring β -galactosidase activity.

9. (Previously presented) A method of claim 1, where said agent is an antagonist or an agonist.

13. (Currently Amended) A method of identifying ~~agents that regulate~~ an agent that regulates the transcriptional activating activity of human androgen receptor or estrogen receptor β , comprising:

contacting a cell expressing human androgen receptor or human estrogen receptor β , and human skeletal muscle LIM-protein₃, or an allelic ~~modification~~ derivative thereof, with a test agent; and

determining whether said test agent regulates the transcriptional activating activity of human androgen receptor or human estrogen receptor β ,
wherein said allelic derivative is at least 90% homologous to human skeletal muscle LIM-protein₃ and maintains at least 80% of the activity of human skeletal muscle LIM-protein₃ as a co-activator for androgen receptor and estrogen receptor β .

14. (Currently Amended) A method of identifying ~~agents that regulate~~ an agent that regulates the transcriptional activating activity of human androgen receptor or estrogen receptor β , comprising:

contacting a cell expressing human androgen receptor or human estrogen receptor β , and human skeletal muscle LIM-protein₃, with a test agent; and

determining whether said test agent regulates the transcriptional activating activity of human androgen receptor or human estrogen receptor β .